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1129 ***M.F. Neurath, B. Weigmann, S. Finotto, J. Glickman, E. Nieuwenhuis, H. Iijima, A. Mizoguchi, E. Mizoguchi, J. Mudter, P.R. Galle, A. Bhan, F. Autschbach, B.M. Sullivan, S.J. Szabo, L.H. Glimcher, and R.S. Blumberg.*** The transcription factor T-bet regulates mucosal T cell activation in experimental colitis and Crohn's disease

1145 ***Douglas E. Wright, Edward P. Bowman, Amy J. Wagers, Eugene C. Butcher, and Irving L. Weissman.*** Hematopoietic stem cells are uniquely selective in their migratory response to chemokines

1155 ***Dipshikha Chakravortty, Imke Hansen-Wester, and Michael Hensel.*** *Salmonella* pathogenicity island 2 mediates protection of intracellular *Salmonella* from reactive nitrogen intermediates

1167 ***Silvia Bolland, Young-Sun Yim, Katalin Tus, Edward K. Wakeland, and Jeffrey V. Ravetch.*** Genetic modifiers of systemic lupus erythematosus in FcγRIIB$^{-/-}$ mice

1175 ***John G. Luz, Mingdong Huang, K. Christopher Garcia, Markus G. Rudolph, Vasso Apostolopoulos, Luc Teyton, and Ian A. Wilson.*** Structural comparison of allogeneic and syngeneic T cell receptor–peptide-major histocompatibility complex complexes: a buried alloreactive mutation subtly alters peptide presentation substantially increasing V_β interactions

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1187 ***Linda Bross, Masamichi Muramatsu, Kazuo Kinoshita, Tasuku Honjo, and Heinz Jacobs.*** DNA double-strand breaks: prior to but not sufficient in targeting hypermutation

1193 ***F. Nina Papavasiliou and David G. Schatz.*** The activation-induced deaminase functions in a postcleavage step of the somatic hypermutation process

1199 ***Lei Jin, Paul A. McLean, Benjamin G. Neel, and Henry H. Wortis.*** Sialic acid binding domains of CD22 are required for negative regulation of B cell receptor signaling

1207 ***Soerge Kelm, Judith Gerlach, Reinhard Brossmer, Claus-Peter Danzer, and Lars Nitschke.*** The ligand-binding domain of CD22 is needed for inhibition of the B cell receptor signal, as demonstrated by a novel human CD22-specific inhibitor compound

1215 ***Joseph M. Dal Porto, Ann M. Haberman, Garnett Kelsoe, and Mark J. Shlomchik.*** Very low affinity B cells form germinal centers, become memory B cells, and participate in secondary immune responses when higher affinity competition is reduced

1223 ***M. Angela Montesano, Daniel G. Colley, Margaret T. Willard, George L. Freeman, Jr., and W. Evan Secor.*** Idiotypes expressed early in experimental *Schistosoma mansoni* infections predict clinical outcomes of chronic disease

1229 ***Correction***

1231 ***Correction***

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1233 ***Gabriel Morón, Paloma Rueda, Ignacio Casal, and Claude Leclerc.*** $CD8\alpha^-$ $CD11b^+$ dendritic cells present exogenous virus-like particles to $CD8^+$ T cells and subsequently express $CD8\alpha$ and CD205 molecules

1247 ***Tania Fernandez, Stephanie Amoroso, Shellyann Sharpe, Gary M. Jones, Valery Bliskovski, Alexander Kovalchuk, Lalage M. Wakefield, Seong-Jin Kim, Michael Potter, and John J. Letterio.*** Disruption of transforming growth factor β signaling by a novel ligand-dependent mechanism

1257 ***Hiroyuki Yoneyama, Shosaku Narumi, Yanyun Zhang, Masako Murai, Marco Baggiolini, Antonio Lanzavecchia, Takafumi Ichida, Hitoshi Asakura, and Kouji Matsushima.*** Pivotal role of dendritic cell–derived CXCL10 in the retention of T helper cell 1 lymphocytes in secondary lymph nodes

1267 ***M. Azizul Haque, Ping Li, Sheila K. Jackson, Hassane M. Zarour, John W. Hawes, Uyen T. Phan, Maja Maric, Peter Cresswell, and Janice S. Blum.*** Absence of γ-interferon–inducible lysosomal thiol reductase in melanomas disrupts T cell recognition of select immunodominant epitopes

1279 ***Beatrice Schuler-Thurner, Erwin S. Schultz, Thomas G. Berger, Georg Weinlich, Susanne Ebner, Petra Woerl, Armin Bender, Bernadette Feuerstein, Peter O. Fritsch, Nikolaus Romani, and Gerold Schuler.*** Rapid induction of tumor-specific type 1 T helper cells in metastatic melanoma patients by vaccination with mature, cryopreserved, peptide-loaded monocyte-derived dendritic cells

1289 ***Tomonori Iyoda, Susumu Shimoyama, Kang Liu, Yoshiki Omatsu, Yuji Akiyama, Yasuhiro Maeda, Kazuhiko Takahara, Ralph M. Steinman, and Kayo Inaba.*** The $CD8^+$ dendritic cell subset selectively endocytoses dying cells in culture and in vivo

1303 ***Giovanna Andreola, Licia Rivoltini, Chiara Castelli, Veronica Huber, Paola Perego, Paola Deho, Paola Squarcina, Paola Accornero, Francesco Lozupone, Luana Lugini, Annarita Stringaro, Agnese Molinari, Giuseppe Arancia, Massimo Gentile, Giorgio Parmiani, and Stefano Fais.*** Induction of lymphocyte apoptosis by tumor cell secretion of FasL-bearing microvesicles

1317 ***Tohru Kariu, Masao Yuda, Kazuhiko Yano, and Yasuo Chinzei.*** MAEBL is essential for malarial sporozoite infection of the mosquito salivary gland

1325 ***Young Mo Kang, Xiaoyu Zhang, Ulf G. Wagner, Hongyu Yang, Robert D. Beckenbaugh, Paul J. Kurtin, Jörg J. Goronzy, and Cornelia M. Weyand.*** CD8 T cells are required for the formation of ectopic germinal centers in rheumatoid synovitis

1337 ***Peter J. Darlington, Miren L. Baroja, Thu A. Chau, Eric Siu, Vincent Ling, Beatriz M. Carreno, and Joaquín Madrenas.*** Surface cytotoxic T lymphocyte–associated antigen 4 partitions within lipid rafts and relocates to the immunological synapse under conditions of inhibition of T cell activation

1349 ***Karen Honey, Terry Nakagawa, Christoph Peters, and Alexander Rudensky.*** Cathepsin L regulates $CD4^+$ T cell selection independently of its effect on invariant chain: a role in the generation of positively selecting peptide ligands

1359 ***Marco Sgarbanti, Alessandra Borsetti, Nicola Moscufo, Maria C. Bellocchi, Barbara Ridolfi, Filomena Nappi, Giulia Marsili, Giovanna Marziali, Eliana M. Coccia, Barbara Ensoli, and Angela Battistini.*** Modulation of human immunodeficiency virus 1 replication by interferon regulatory factors

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1371 ***Christian R. Engwerda, Tracey L. Mynott, Sanjeet Sawhney, J. Brian De Souza, Quentin D. Bickle, and Paul M. Kaye.*** Locally up-regulated lymphotoxin α, not systemic tumor necrosis factor α, is the principle mediator of murine cerebral malaria

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F43 ***Kelly McNagny and Thomas Graf.*** Making eosinophils through subtle shifts in transcription factor expression

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1379 ***Ryutaro Hirasawa, Ritsuko Shimizu, Satoru Takahashi, Mitsujiro Osawa, Shu Takayanagi, Yuko Kato, Masafumi Onodera, Naoko Minegishi, Masayuki Yamamoto, Katashi Fukao, Hideki Taniguchi, Hiromitsu Nakauchi, and Atsushi Iwama.*** Essential and instructive roles of GATA factors in eosinophil development

1387 ***Channing Yu, Alan B. Cantor, Haidi Yang, Carol Browne, Richard A. Wells, Yuko Fujiwara, and Stuart H. Orkin.*** Targeted deletion of a high-affinity GATA-binding site in the GATA-1 promoter leads to selective loss of the eosinophil lineage in vivo

1397 ***Helen Y. Wang, Juhua Zhou, Kuichun Zhu, Adam I. Riker, Francesco M. Marincola, and Rong-Fu Wang.*** Identification of a mutated fibronectin as a tumor antigen recognized by $CD4^+$ T cells: its role in extracellular matrix formation and tumor metastasis

1407 ***Claes Öhlén, Michael Kalos, Laurence E. Cheng, Aaron C. Shur, Doley J. Hong, Bryan D. Carson, Niels C.T. Kokot, Cara G. Lerner, Blythe D. Sather, Eric S. Huseby, and Philip D. Greenberg.*** $CD8^+$ T cell tolerance to a tumor-associated antigen is maintained at the level of expansion rather than effector function

1419 ***Tetsuro Sasada, Maki Touma, Hsiu-Ching Chang, Linda K. Clayton, Jia-huai Wang, and Ellis L. Reinherz.*** Involvement of the TCR Cβ FG loop in thymic selection and T cell function

1433 ***Joerg Mattes, Ming Yang, Surendran Mahalingam, Joachim Kuehr, Dianne C. Webb, Ljubov Simson, Simon P. Hogan, Aulikki Koskinen, Andrew N.J. McKenzie, Lindsay A. Dent, Marc E. Rothenberg, Klaus I. Matthaei, Ian G. Young, and Paul S. Foster.*** Intrinsic defect in T cell production of interleukin (IL)-13 in the absence of both IL-5 and eotaxin precludes the development of eosinophilia and airways hyperreactivity in experimental asthma

1445 ***Maurizio Comanducci, Stefania Bambini, Brunella Brunelli, Jeannette Adu-Bobie, Beatrice Aricò, Barbara Capecchi, Marzia Monica Giuliani, Vega Masignani, Laura Santini, Silvana Savino, Dan M. Granoff, Dominique A. Caugant, Mariagrazia Pizza, Rino Rappuoli, and Marirosa Mora.*** NadA, a novel vaccine candidate of *Neisseria meningitidis*

1455 ***Karla Jean Fullner, John C. Boucher, Martha A. Hanes, G. Kenneth Haines III, Brian M. Meehan, Cynthia Walchle, Philippe J. Sansonetti, and John J. Mekalanos.*** The contribution of accessory toxins of *Vibrio cholerae* O1 El Tor to the proinflammatory response in a murine pulmonary cholera model

1463 ***Imtiaz A. Khan, Magali Moretto, Xiao-qing Wei, Martha Williams, Joseph D. Schwartzman, and Foo Y. Liew.*** Treatment with soluble interleukin-15Rα exacerbates intracellular parasitic infection by blocking the development of memory $CD8^+$ T cell response

1471 ***Doo Ryeon Chung, Tanuja Chitnis, Ronald J. Panzo, Dennis L. Kasper, Mohamed H. Sayegh, and Arthur O. Tzianabos.*** $CD4^+$ T cells regulate surgical and postinfectious adhesion formation

1479 ***Zhihai Qin, Hye-Jung Kim, Jens Hemme, and Thomas Blankenstein.*** Inhibition of methylcholanthrene-induced carcinogenesis by an interferon γ receptor–dependent foreign body reaction

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1491 ***Philippe Poussier, Terri Ning, Diponkar Banerjee, and Michael Julius.*** A unique subset of self-specific intraintestinal T cells maintains gut integrity

1499 ***Leonid Gorelik, Stephanie Constant, and Richard A. Flavell.*** Mechanism of transforming growth factor β–induced inhibition of T helper type 1 differentiation

1507 ***Tomoki Ito, Ryuichi Amakawa, Tsuneyasu Kaisho, Hiroaki Hemmi, Kenichirou Tajima, Kazutaka Uehira, Yoshio Ozaki, Hideyuki Tomizawa, Shizuo Akira, and Shirou Fukuhara.*** Interferon-α and interleukin-12 are induced differentially by toll-like receptor 7 ligands in human blood dendritic cell subsets

1513 ***Correction***

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F49 ***Martin Prlic, Leo Lefrancois, and Stephen C. Jameson.*** Multiple choices: regulation of memory CD8 T cell generation and homeostasis by interleukin (IL)-7 and IL-15

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1515 ***Ananda W. Goldrath, Pallavur V. Sivakumar, Moira Glaccum, Mary K. Kennedy, Michael J. Bevan, Christophe Benoist, Diane Mathis, and Eric A. Butz.*** Cytokine requirements for acute and basal homeostatic proliferation of naive and memory $CD8^+$ T cells

1523 ***Joyce T. Tan, Bettina Ernst, William C. Kieper, Eric LeRoy, Jonathan Sprent, and Charles D. Surh.*** Interleukin (IL)-15 and IL-7 jointly regulate homeostatic proliferation of memory phenotype $CD8^+$ cells but are not required for memory phenotype $CD4^+$ cells

1533 ***William C. Kieper, Joyce T. Tan, Brea Bondi-Boyd, Laurent Gapin, Jonathan Sprent, Rhodri Ceredig, and Charles D. Surh.*** Overexpression of interleukin (IL)-7 leads to IL-15–independent generation of memory phenotype $CD8^+$ T cells

1541 ***Todd C. Becker, E. John Wherry, David Boone, Kaja Murali-Krishna, Rustom Antia, Averil Ma, and Rafi Ahmed.*** Interleukin 15 is required for proliferative renewal of virus-specific memory CD8 T cells

1549 ***Fumio Arai, Osamu Ohneda, Takeshi Miyamoto, Xiu Qin Zhang, and Toshio Suda.*** Mesenchymal stem cells in perichondrium express activated leukocyte cell adhesion molecule and participate in bone marrow formation

1565 ***Elizabeth G. Rhee, Susana Mendez, Javeed A. Shah, Chang-you Wu, Joanna R. Kirman, Tara N. Turon, Dylan F. Davey, Heather Davis, Dennis M. Klinman, Rhea N. Coler, David L. Sacks, and Robert A. Seder.*** Vaccination with heat-killed leishmania antigen or recombinant leishmanial protein and CpG oligodeoxynucleotides induces long-term memory $CD4^+$ and $CD8^+$ T cell responses and protection against *Leishmania major* infection

1575 ***Yiwen Li, Mei-Nai Wang, Hongli Li, Karen D. King, Rajiv Bassi, Haijun Sun, Angel Santiago, Andrea T. Hooper, Peter Bohlen, and Daniel J. Hicklin.*** Active immunization against the vascular endothelial growth factor receptor flk1 inhibits tumor angiogenesis and metastasis

1585 ***Maddalena Panigada, Simona Porcellini, Eliane Barbier, Sonja Hoeflinger, Pierre-André Cazenave, Hua Gu, Hamid Band, Harald von Boehmer, and Fabio Grassi.*** Constitutive endocytosis and degradation of the pre-T cell receptor

1599 ***Laura Velazquez, Alec M. Cheng, Heather E. Fleming, Caren Furlonger, Shirly Vesely, Alan Bernstein, Christopher J. Paige, and Tony Pawson.*** Cytokine signaling and hematopoietic homeostasis are disrupted in *Lnk*-deficient mice

1613 ***Stefanie Scheu, Judith Alferink, Tobias Pötzel, Winfried Barchet, Ulrich Kalinke, and Klaus Pfeffer.*** Targeted disruption of LIGHT causes defects in costimulatory T cell activation and reveals cooperation with lymphotoxin β in mesenteric lymph node genesis

1625 ***Antonio Barragan and L. David Sibley.*** Transepithelial migration of *Toxoplasma gondii* is linked to parasite motility and virulence

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1635 ***Siegfried Morath, Andreas Stadelmaier, Armin Geyer, Richard R. Schmidt, and Thomas Hartung.*** Synthetic lipoteichoic acid from *Staphylococcus aureus* is a potent stimulus of cytokine release

1641 ***Luis Graca, Stephen P. Cobbold, and Herman Waldmann.*** Identification of regulatory T cells in tolerated allografts

1647 ***Kaoru Saijo, Ingrid Mecklenbräuker, Angela Santana, Michael Leitger, Christian Schmedt, and Alexander Tarakhovsky.*** Protein kinase C β controls nuclear factor κB activation in B cells through selective regulation of the IκB kinase α

1653 ***Alexis M. Kalergis and Jeffrey V. Ravetch.*** Inducing tumor immunity through the selective engagement of activating Fcγ receptors on dendritic cells